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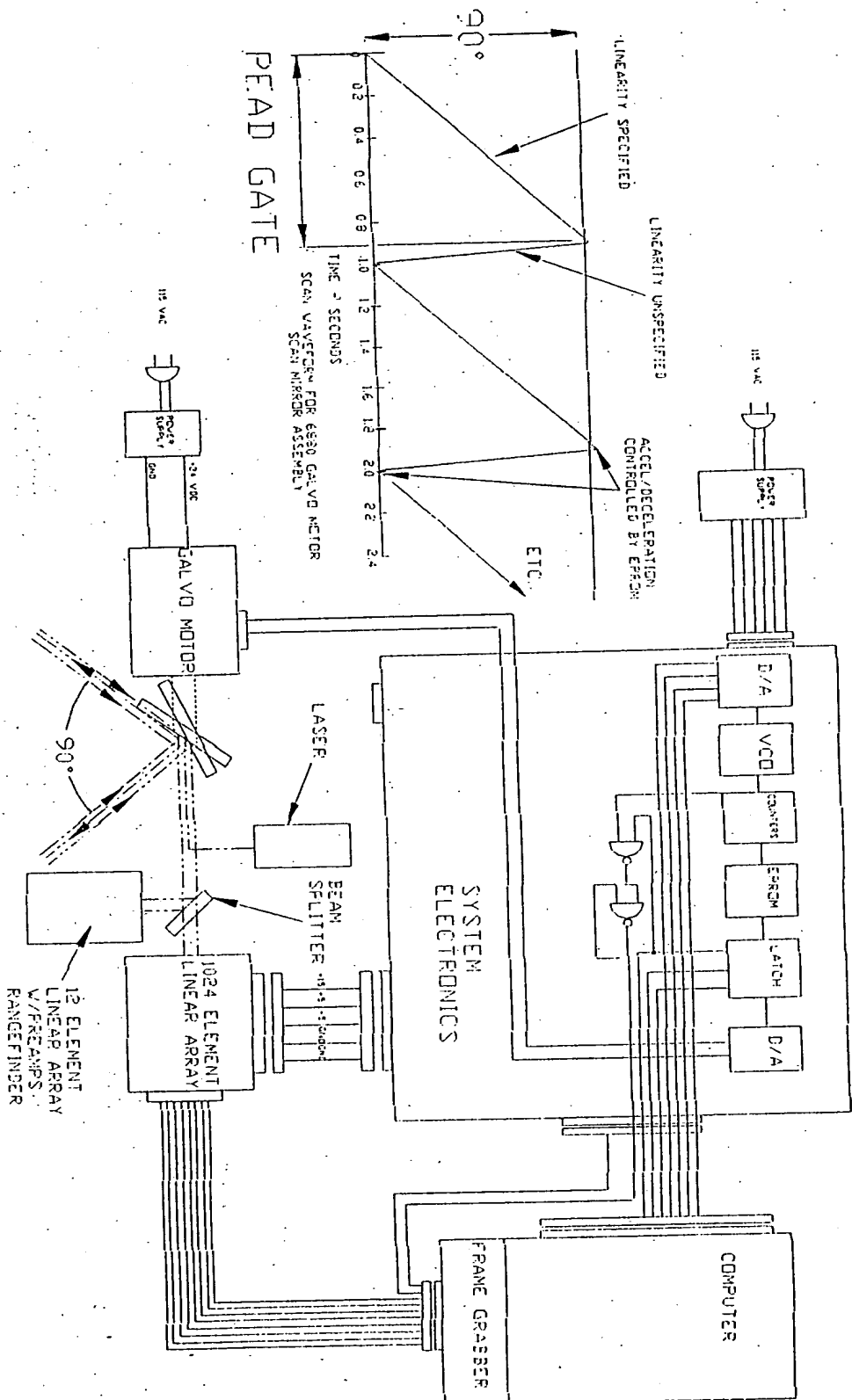


FIGURE 1 SCANNER SYSTEM BLOCK DIAGRAM.

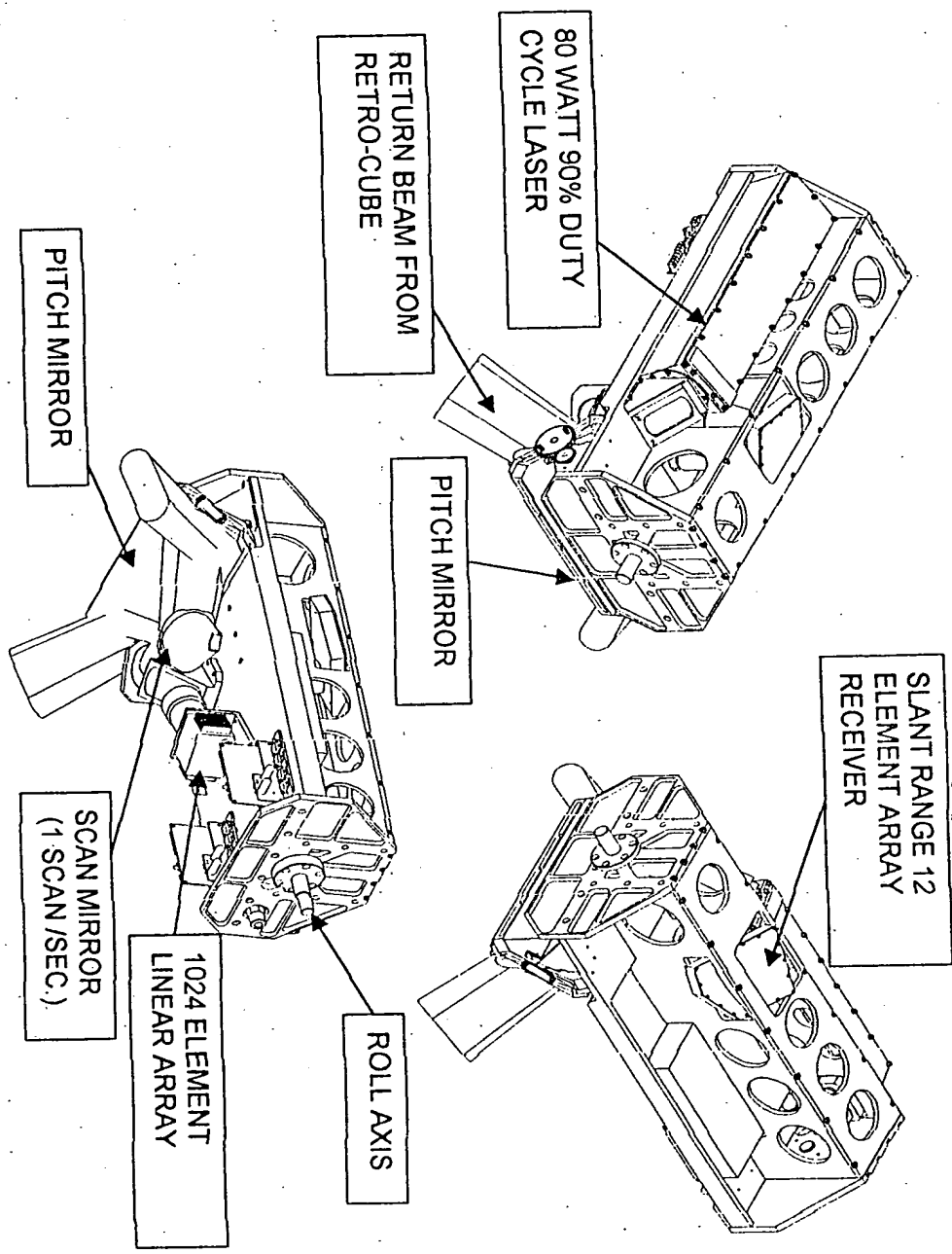
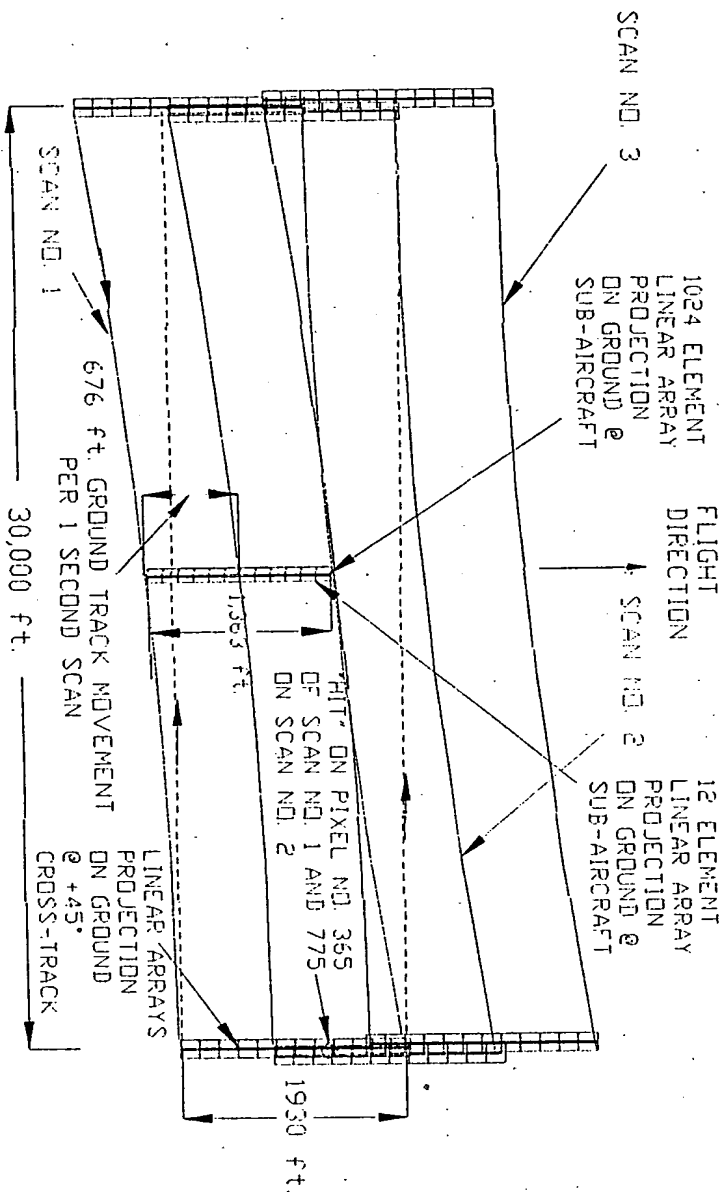


FIGURE 2 LAYOUT, SEARCH AND RESCUE SCANNER 2 AXIS STABILIZED OPTICAL HEAD



- NOTES: 1. ALL DIMENSIONS ARE IN FEET ON  
LEVEL GROUND FOR 10,000 FT.  
AIRCRAFT ALTITUDE
2. SCAN PATHS ARE SHOWN WITH EXAGGERATED  
STABLE PLATFORM ROLL OSCILLATION FOR EASE OF PRESENTATION

FIGURE 3 - PROJECTION OF CROSS-TRACK SCAN ON LEVEL GROUND FOR  
1,860 FT. SCANNER ALTITUDE (NO DETECTION FOLDOVER CORRECTION)

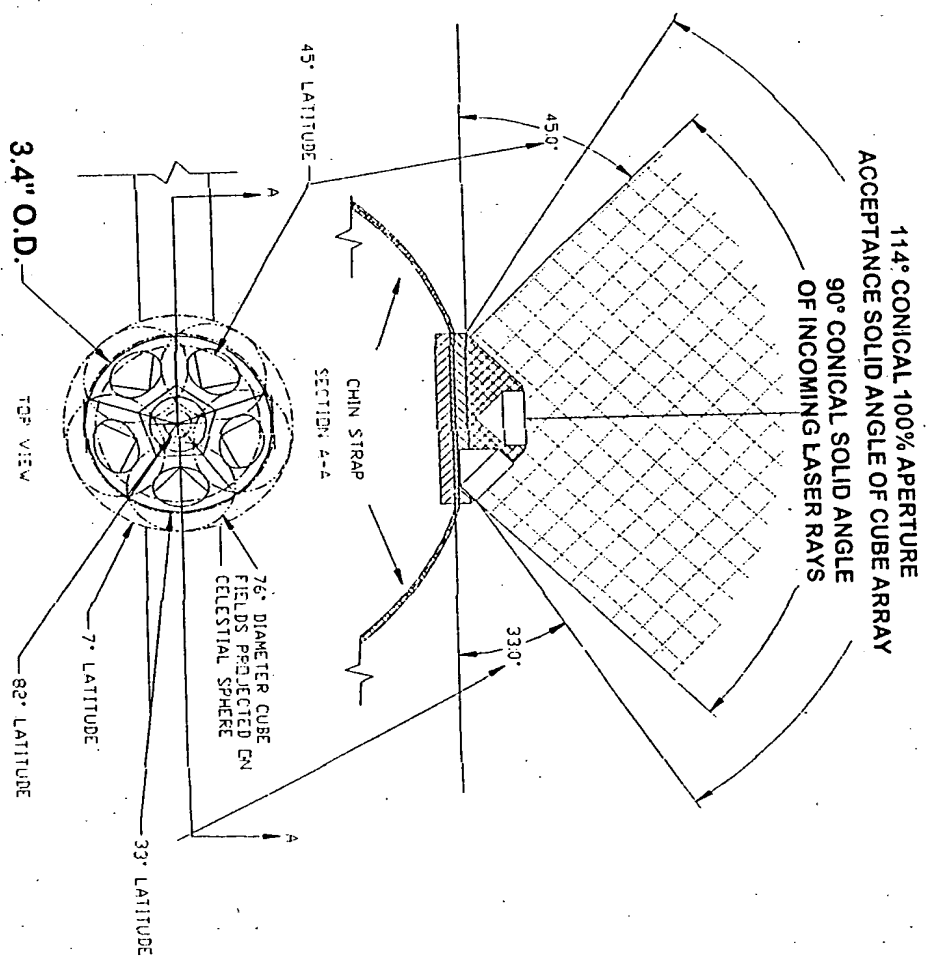


FIGURE 4 LAYOUT OF HEAD-MOUNTED CORNER CUBE ASSEMBLY

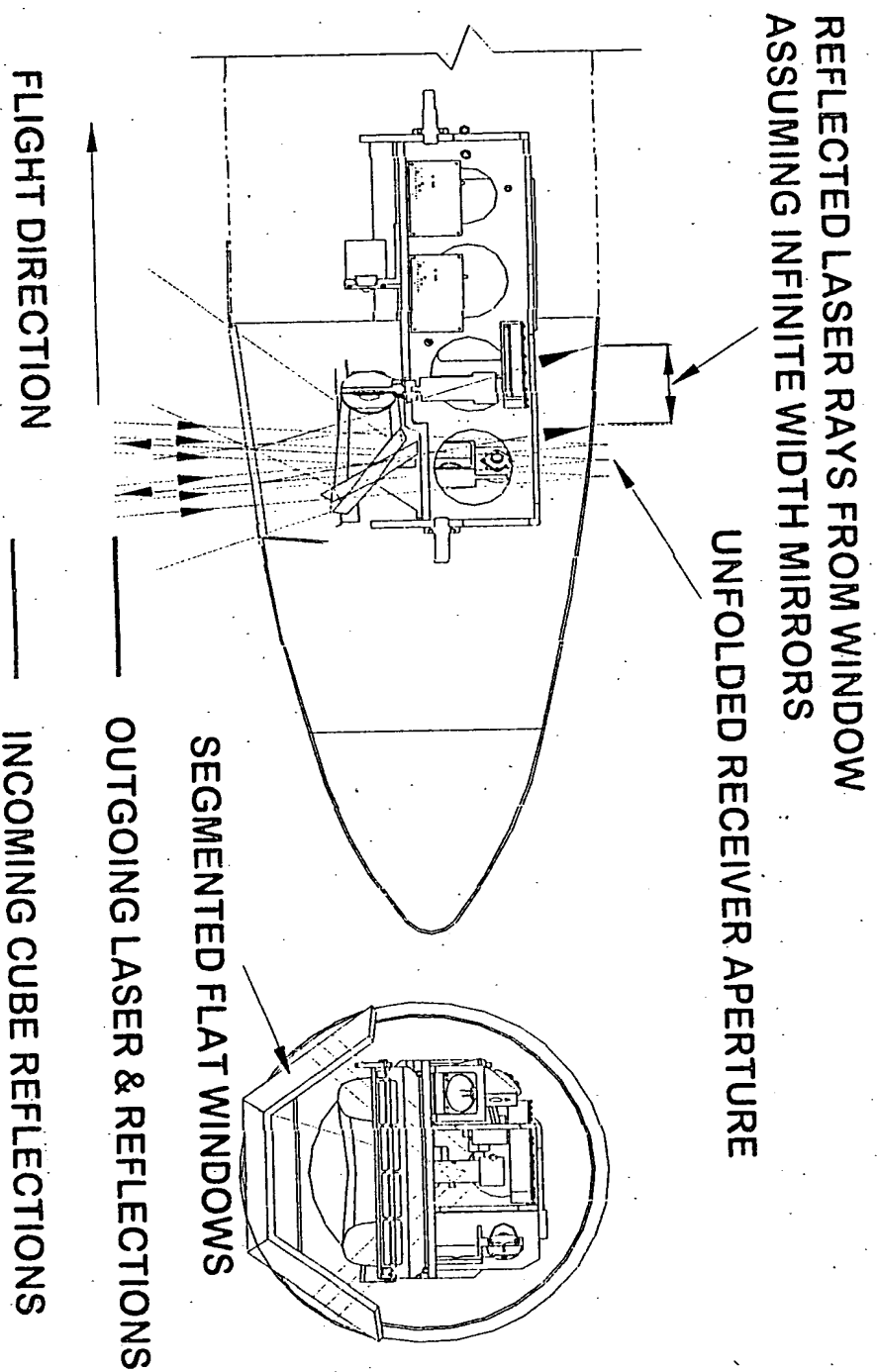


FIGURE 5 OPTICAL HEAD LAYOUT MOUNTED IN F-16 TRAVEL POD SHOWING WINDOW REFLECTIONS ARE NOT SEEN BY RECEIVERS

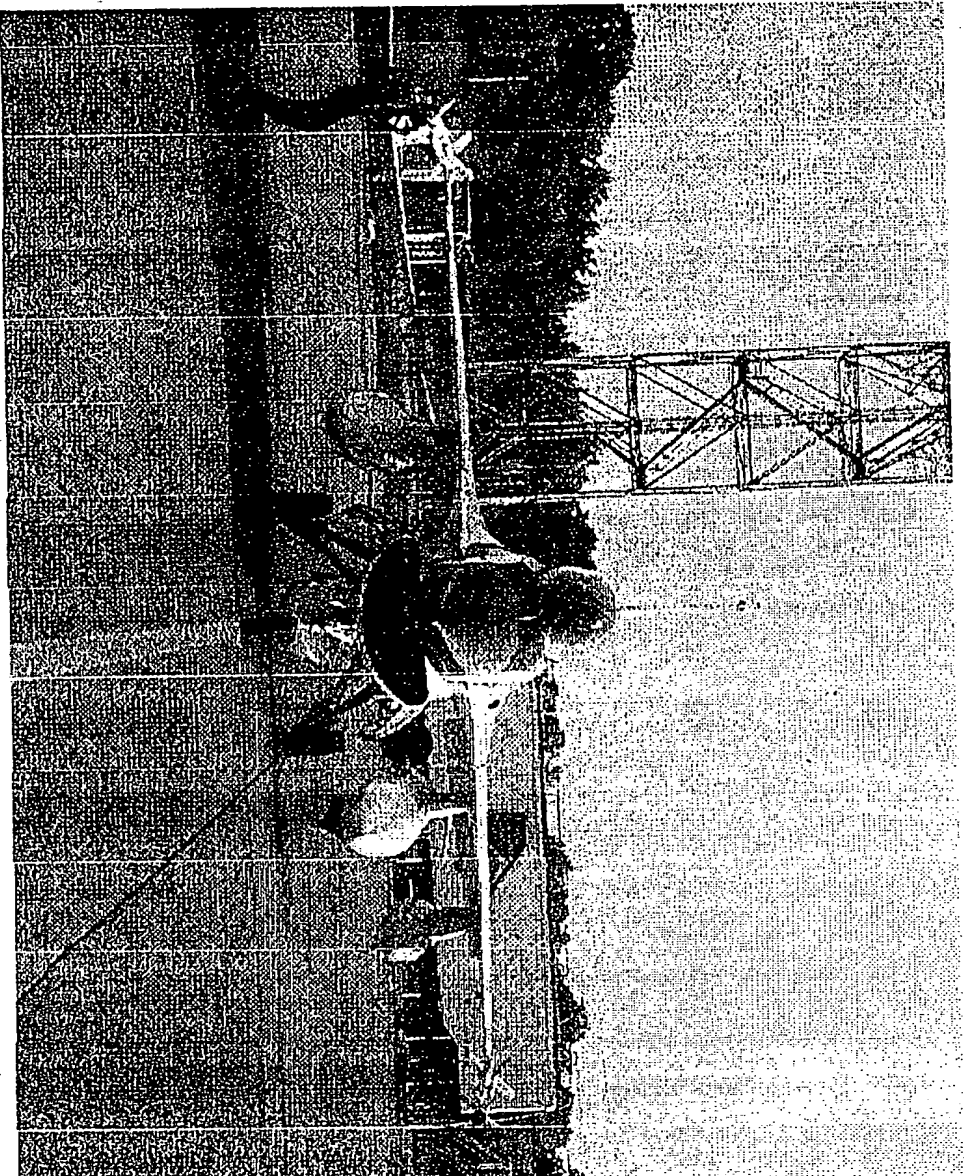
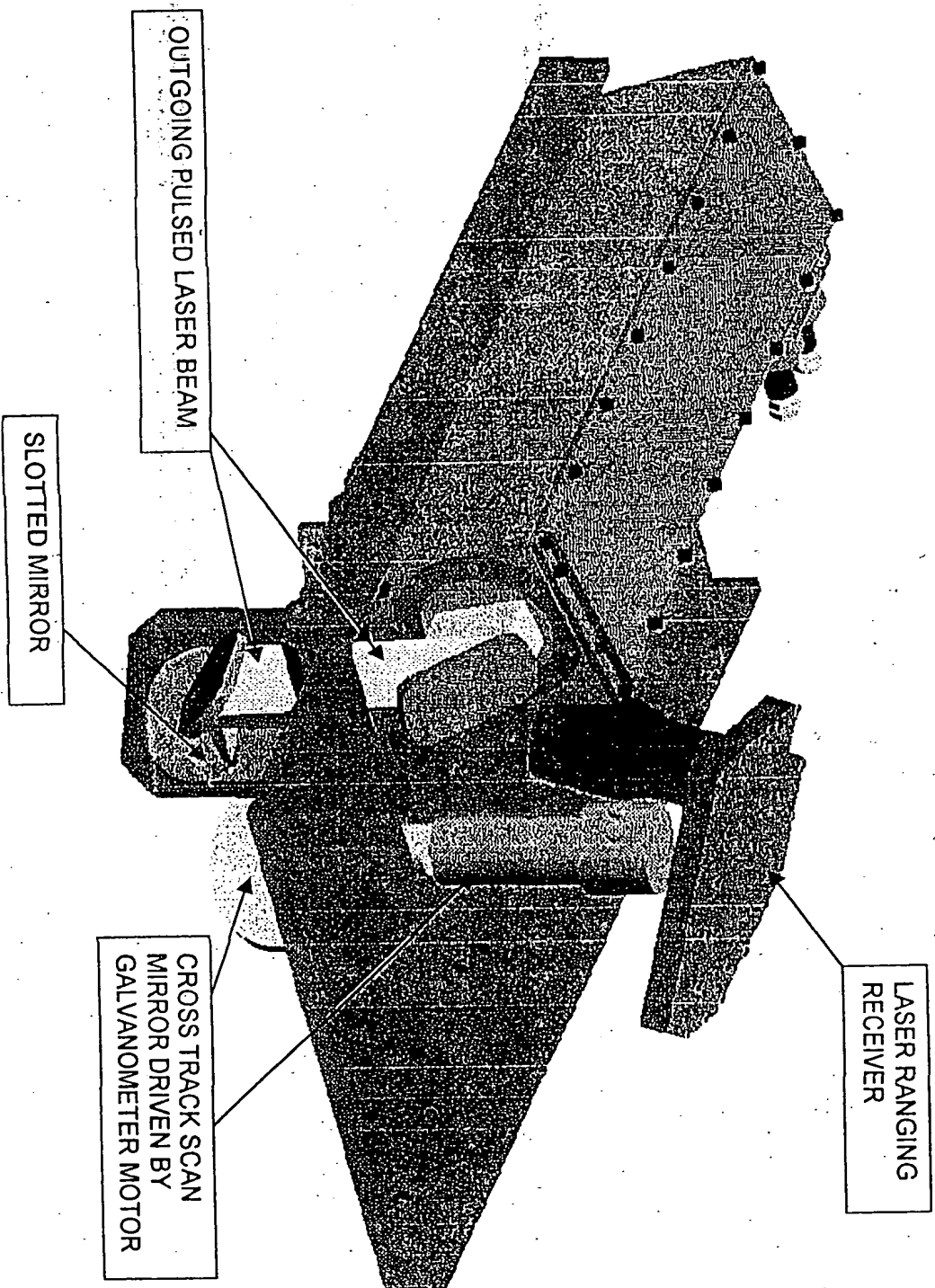


FIGURE 6 F-16 WITH LUGGAGE POD FOR SCANNER, SHOWN (RIGHTMOST)

FIGURE 7 LASER RAY PATHS IN SCANNER (PITCH STABILIZATION MIRROR NOT SHOWN)





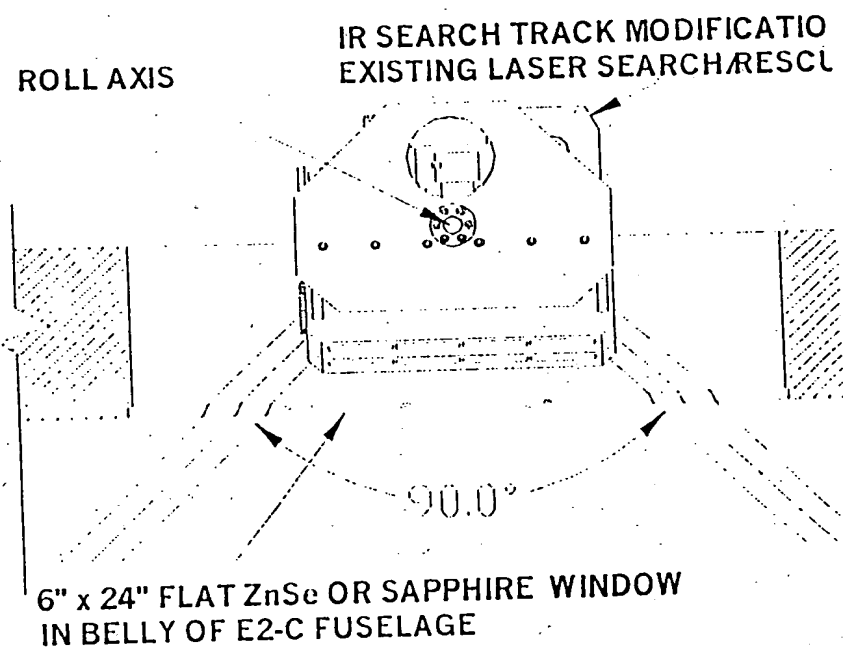


FIGURE 8

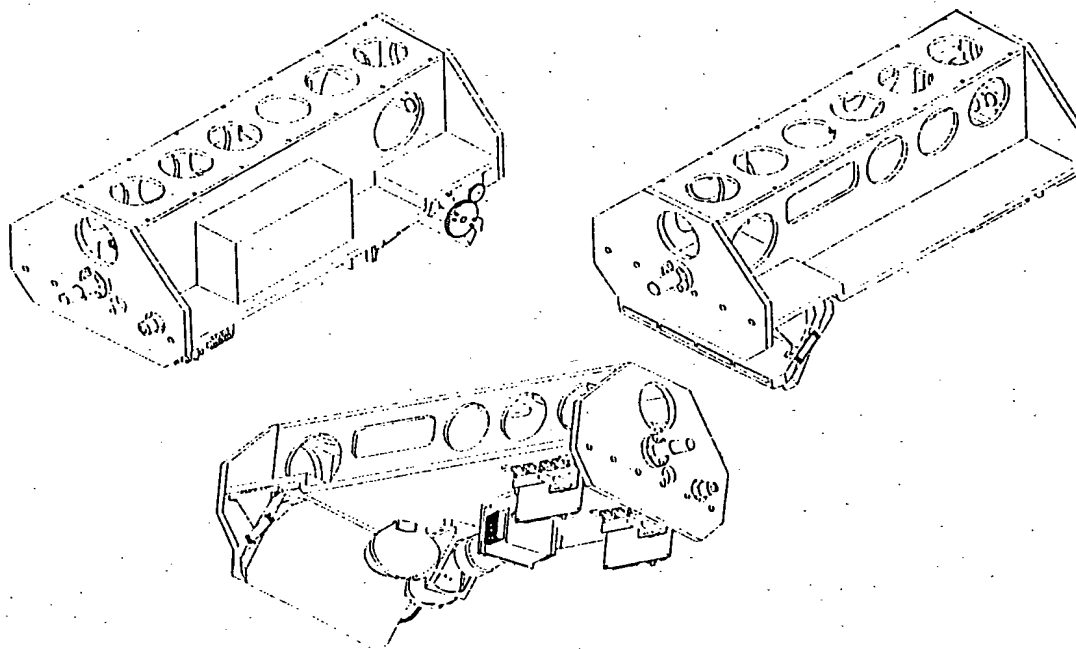


FIGURE 9 COMBAT SEARCH AND RESCUE SCANNER MODIFIED INTO IRST  
SCANNER